ABSTRACT OF THE DISCLOSURE

A lighting system with a digital micromirror device which forms a digital gobo system that is controllable on a pixel level. The device includes a number of sensitive electronic elements. The device is controlled by two different controllers: a digital signal processor which is effectively the number crunching portion, and a controller, which controls the functions of the light. The controller also logs errors into a registry, such as a non-volatile memory. A field programmable gate array is used for a number of purposes, including to form the ports. One of those ports is a tech port, which is used to detect status of the light such as faults.